



DARLASTON URBAN DISTRICT COUNCIL.

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# Annual Report

... OF THE ...

Medical Officer of Health

FOR THE YEAR 1907.

BY

***SYDNEY PARTRIDGE, M.D.,***

*Medical Officer of Health.*

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DARLASTON :

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1908

# **ANNUAL REPORT**

## **OF THE**

### **MEDICAL OFFICER OF HEALTH.**

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MR. CHAIRMAN AND GENTLEMEN,

I have pleasure in submitting to you my Annual Report upon the District of Darlaston, for the year 1907.

**AREA.**—820 acres.

#### **HOUSES.**

3486—The average number of persons per house is 4·5.

#### **POPULATION.**

Estimated up to the middle of 1907, was 15,794. The natural increase (*i.e.* births over deaths) was 325, being higher than any year since 1886.

#### **BIRTHS.**

There were 646 births registered during the year—

Males - 333.

Females - 313.

giving a birth rate of 40·90 per 1000 of the population, compared with 625 births and a birth rate of 39·73 in 1906.

The illegitimate births numbered 21 or 3·25 per cent, compared with 17 and a percentage of 2·72 in 1906.

## DEATHS.

There were 309 deaths registered in the district during the year, 180 of whom were males and 129 females. Three of the deaths registered were persons residing outside this district, viz :—

June 19th, male aged 44, found drowned at Rough Hay, of Willenhall.

July 19th, male aged 17, misadventure, Birmingham Canal, of Bilston.

August 12th, male aged 10, accidentally drowned, Birmingham canal, of Wednesbury.

and as these should be recorded in the districts where they last resided, I have deducted them from the deaths registered in this district

The number of deaths, therefore, registered in this district from which calculations are made is taken at 306 being 177 males and 129 females ; the death rate being 19·37.

In addition to the deaths registered in the district, the deaths of persons whose last place of residence was in this district, but who died at Public Institutions outside the district, have to be included, and during the year 15 deaths were reported to me occurring at the following Institutions :—

	MALES.	FEMALES.	TOTAL.
Wolverhampton Hospital	3	1	4
Walsall Union	7	3	10
Queen's Hospital			
Birmingham	0	1	1
	<hr/>	<hr/>	<hr/>
	10	5	15
	<hr/>	<hr/>	<hr/>

making altogether a total of 321 deaths of persons belonging to this district, and giving a nett death rate of 20·32.

The death rates are lower than in 1906 and very much the same as in 1905.

In 1906 there were 329 deaths in the district, and 27 in Institutions outside making in all 356, and giving a local death rate of 20·91 and a nett death rate of 22·63 per 1000.

The mean age at death of those dying in the district was 24·49, whilst the mean age at death of all persons belonging to the district was 25·33, this increase is accounted for by the number of aged persons dying in the Union.

### **INFANTILE MORTALITY.**

The number of deaths of infants under one year old, was exactly the same as in 1906, viz :—117, whilst the number between the ages of one and five years was 45, being 3 less than in 1906.

The average number of deaths for the 10 years 1897-1906 is 131.

The percentages of deaths of children under one year were :—

To total deaths 36·44.

To births registered 18·11.

The percentage of deaths of children under one to total deaths is higher than in 1906, the percentage for that year being 32·86.

The deaths of children under one year per 1000 deaths is 364·48, per 1000 births is 181·11.

The death rate of children under five years per 1000 of the population was 10·25 compared with 9·85 in 1906.

The following table gives the percentage of deaths from the subjoined causes of children under one year to the total deaths of children under one year, compared with the previous three years :—

	1907	1906	1905	1904
Bronchitis and Pneumonia	24·79	14·33	16·92	18·32
Diarrhœa ...	9·40	16·24	8·46	19·84
Premature Birth & Debility	28·20	17·09	27·69	16·79
Whooping Cough	·85	·85	·76	7·63
Convulsions ...	3·41	5·12	3·84	2·29
Measles ...	2·56	·85	6·92	·76
Tubercular Diseases, Maras-				

mus & Wasting Diseases 23·93 29·91 28·46 24·42

Twenty-nine infants succumbed to Bronchitis and Pneumonia, or 24·79 per cent of the total deaths of infants, 33 died from Premature Birth and Debility, or 28·20 per cent of the total deaths. The mortality from these causes being much higher than in any of the previous 3 years. Tubercular and Wasting Diseases however show a decrease, being responsible for 28 deaths or 23·93 per cent of the total infant deaths.

The percentages of deaths of children in the various Wards are as follows:—

Catherines Cross Ward 29·05.

Central Ward 21·36.

Green Ward 26·49.

All Saints' Ward 22·22.

The report of the Registrar General gives the following percentages of deaths to total deaths of infants under one from the subjoined causes (for England and Wales):—Bronchitis and Pneumonia 13·72, Diarrhœa 18·92, Diarrhœa & Enteritis 23·84, Tuberculosis, etc. 15·84, Convulsions 8·91.

With the co-operation of your Inspector, I have been able to obtain statistics bearing upon the question of Infant Mortality, though some difficulty was experienced in tracing all the deaths, the results are I think presented with at any rate

approximate accuracy in the following tables :—

WARD.	Double Houses.		Single Houses.		Case-ment Win-dows.	Sash Win-dows.	Bottle fed.	Breast fed.	Neither Breast or Bottle fed.	privies	Water Closets	
	New.	Old.	New.	Old.							New.	Old.
Catherine's Cross ...	1	17	0	11	18	11	10	14	3	26	2	1
Central ...	0	16	0	9	8	13	8	10	6	23	2	0
The Green ...	4	21	1	5	5	24	11	8	9	18	9	4
All Saints' ...	1	21	0	3	11	11	4	11	5	15	2	8
Total ..	6	75	1	28	42	59	33	43	23	82	15	13

In 9 instances the mother worked away from home.

Statistics relating to double and single houses, and in relation to Infantile Mortality.

There were 81 deaths in double houses, or 27·59 per 1000 houses

There were 29 deaths in single houses, or 52·63 per 1000 houses.

	WARD 1	WARD 2	WARD 3	WARD 4
Percentage of single houses ...	19·69	23·64	12·89	7·36
Percentage of deaths of infants ...	29·31	21·55	26·71	22·41
*Percentage of deaths in double houses	62·07	64·00	80·64	88·00
*Percentage of deaths in single houses	37·93	36·00	19·35	12·00
*Deaths of infants per 1000 double houses	23·71	27·68	32·46	26·51
*Deaths of infants per 1000 single houses	56·41	50·28	52·63	47·61
Actual number of deaths of infants ...	34	25	31	26
If infants deaths were equally proportioned in the wards, according to number of houses the numbers in each ward would be ...	33	25	30	28

\*These figures are based on the returns made, which gave 6 deaths short, viz : 5 short in Catherine's Cross Ward and 1 short in All Saints' Ward.

## ZYMOTIC DISEASES.

Fifty deaths were recorded from Zymotic Disease compared with 57 in 1906 and 64 in 1905.

The death rate per 1000 of the population was 3·16.

The average of Zymotic deaths for the past six years is 54·38.

### ZYMOTIC DEATHS DURING 1907.

Measles	...	7
Scarlet Fever	...	6
Whooping Cough		7
Croup	...	1
Enteric Fever	...	2
Epidemic Influenza		8
Diarrhœa	...	19
		—
		50
		—

The percentage of deaths from Zymotic disease to the total deaths for the year 1907 was 15·57 compared with 17·54 for the preceding six years.

	1907	1906	1905
Measles	7	5	15
Scarlet Fever	6	0	0
Whooping Cough	7	2	2
Diphtheria and			
Membranous Croup	0	2	4
Croup	1	0	0
Enteric Fever	2	3	8
Epidemic Influenza	8	14	10
Diarrhœa	19	27	23
Puerperal Fever	0	2	0
Other Septic diseases	0	2	2
	—	—	—
	50	57	64
	—	—	—



## MEASLES.

Accounted for seven deaths compared with five in 1906 and fifteen in 1905.

The proportion of deaths to 1000 deaths during the year is 21·80 compared with 6·83 for the preceding six years.

The average annual deaths in the six years 1902-1907 is 7·66

The death rate per 1000 of the population is ·44.

Two of the deaths occurred in infants under one year, the remaining five being children between the ages of one and five years.

During the earlier part of the year measles assumed epidemic proportions; this was especially noticeable during the months of February, March and April.

The Infant Departments of St. Joseph's and the Green Schools were chiefly involved, but the incidence was most marked in the case of the latter. These schools were closed on February 27th and the former on March 8th, for three weeks.

## SCARLET FEVER.

Six deaths were registered from this disease, in 1905 and 1906 no deaths were recorded.

There were 102 notifications, this number being much larger than in the two preceding years, and much higher than the average of the past six years.

The number of cases and deaths since 1901 are as follows :—

		Notifications.	Deaths.
1901	...	149	6
1902	...	112	6
1903	...	77	2
1904	...	188	11

1905	...	33	—
1906	...	27	—
1907	...	102	6

The ages of persons suffering from Scarlet Fever are as follows :—

Under 1 year	...	4
1 and under 5 years		29
5	„	15
15	„	25
25	„	65
		102

The two following tables give the incidence of this disease during the six years 1901 to 1906 as compared with the year 1907.

#### List of Notifications and Age Periods.

Year.	Under One year.	1-5	5-15	15-25	25-65	65 and upwards	Totals
1901	1	70	73	3	2	0	149
1902	2	46	58	5	1	0	112
1903	1	27	46	2	1	0	77
1904	3	60	115	4	6	0	188
1905	0	18	12	1	2	0	33
1906	0	9	15	2	1	0	27
Average of years 1901-1906.	1.1	38.3	53.1	2.8	2.1	0	97.6
1907	4	29	63	5	1	0	102

## Cases notified in each month in the following years.

	1901	1902	1903	1904	1905	1906	Averages of 6 years.	1907
January	9	26	1	21	3	0	10.0	7
February	2	18	2	20	0	0	7.0	6
March	7	22	2	32	1	2	11.0	4
April	5	15	2	26	0	4	8.6	8
May	5	5	1	12	0	8	5.1	2
June	5	8	2	11	1	1	4.6	10
July	9	2	3	24	3	0	6.8	9
August	15	2	3	6	2	1	4.8	6
Sept.	40	8	5	14	6	1	12.3	7
October	11	3	15	14	12	2	9.5	32
Nov.	23	0	22	7	3	1	9.3	7
Dec.	18	3	19	1	2	7	8.3	4
Totals...	149	112	77	188	33	27	97.6	102

The distribution of the disease in the various Wards of the District was as follows :—

Catherine's Cross Ward	17
Central Ward	32
Green Ward	43
All Saints' Ward	10

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102

The incidence was thus most evident in the Green and Central Wards. No month enjoyed immunity, but it was not until October that the wave attained its maximum intensity, 32 being then registered.

The most potent cause of its dissemination is the almost general disbelief in or disregard for its infectivity as shown by the extent to which promiscuous visiting of infected houses is indulged in.

Among other causes may be mentioned the inability on

the part of parents to detect those cases which are frequently so mild as to suggest no idea of illness and yet which are equally as infectious as the more pronounced forms.

Again, the early withdrawal of Medical supervision, owing to the satisfactory progress of the case, has in many instances had its influence by bringing about a lack of appreciation of the value of isolation, the patient being frequently released from confinement before desquamation is completed.

To obviate the evil effects of this, periodical visits have been paid by the Inspector, and strict instructions as to the importance of isolation and other preventive measures, given.

### ENTERIC FEVER.

Eleven cases of this disease were notified during the year, compared with 17 in 1906, 30 in 1905, 17 in 1904, 12 in 1903, 20 in 1902 and 173 in 1901.

The age periods of the persons as suffering from Enteric Fever were :—

1 and under 5	...	2
15     „     25	...	4
25     „     65	...	5
		—
		11

The notifications were received as follows :—

January	...	1
February	...	3
April	...	1
July	...	1
September	...	1
October	...	2
November	...	1
December	...	1
		—
		11

Two cases ended fatally, viz :—a male, aged 19 in April, and a female, aged 15, in October.

The percentage of deaths to cases notified is 18·18, in 1906 there were 3 deaths and the percentage was 17·64.

The proportion of deaths to 1000 deaths is 6·23. The proportion of deaths to 1000 deaths for the preceding 6 years was 20·03. The average annual for the 6 years 1902-1907 is 4·00. The death rate per 1000 of the population is ·12.

### **DIARRHŒA.**

During the year 19 deaths occurred from this disease. The number of deaths in previous years were :—1906 27, 1905 23, 1904 28, 1903 11, 1902 10, 1901 33.

Eleven of the deaths were children under one year old and the remaining eight were children between the ages of one and five years.

The proportion of deaths to 1000 deaths is 59·19 against 66·09 for the preceding 6 years. The average annual for the 6 years 1902-1907 is 19·66.

The death rate per 1000 of the population is 1·20 and the death rate of infants under one year dying of Diarrhœa per 1000 registered births is 17·02 compared with 30·4 in 1906, 18·58 in 1905 and 30·09 in 1904.

The percentage of deaths of children under one year to total deaths of children under one year is 9·40 compared with 16·24 in 1906, 8·46 in 1905 and 19·84 in 1904.

### **DIPHTHERIA & MEMBRANOUS CROUP.**

Only four cases were notified during the year and there were no deaths. One notification was received in each of the following months :—January, February, July, December.

This is the first year since 1899 that no deaths from this disease occurred.

### WHOOPIING COUGH.

There was an increase in the number of deaths from this cause over the previous 2 years, 7 deaths being recorded. One, an infant under one year and the remaining six were children between one and five years.

The deaths occurred as follows :—January 1, April 2, June 2, December 2.

The deaths since 1899, are as follows :—

Year.	No. of Deaths.
1899	3 <sup>1</sup>
1900	2
1901	4
1902	7
1903	0
1904	23
1905	2
1906	2
1907	7

### INFLUENZA.

Eight deaths were registered from this cause during the year, 6 being persons between the ages of 25 and 65 years the other two being over 65 years. They occurred in the following months :—January 2, February 2, May 1, November 2, December 1.

The average age at death of all the cases being 67.

### CHEST DISEASES.

DEATHS.—Bronchitis	...	61
Pneumonia	...	21

Empyema	...	1
		<hr/>
		93
		<hr/>

compared with	1906	1905
Bronchitis	42	29
Pneumonia	13	19
Pleurisy	1	0
Empysema	1	1
	<hr/>	<hr/>
	57	49
	<hr/>	<hr/>

The proportions of deaths to 1000 deaths were :—

Bronchitis	...	190·03
Pneumonia	...	65·42
Empyema	...	3·11
		<hr/>
		289·71
		<hr/>

compared with 174·26 for the preceding 6 years.

The average annual for the 6 years 1902-7 is 64.

Twenty three of the deaths from Bronchitis and 6 from Pneumonia, were children under one year of age.

The death rates per 1000 of the population are :—

Bronchitis	...	3·86
Pneumonia	...	1·32
Empyema	...	·06
		<hr/>
		5·88
		<hr/>

The deaths from Bronchitis are much higher than any year since 1896.

Respiratory Diseases are undoubtedly favoured by dampness and in the case of the poor it is not difficult to see

how this operates, when the large number of damp and structurally imperfect houses is remembered. With regard to children, I consider that insanitary environment, unnecessary exposure, and frequently insufficient clothing must be regarded as contributing in a large measure to the deaths from Bronchitis and Pneumonia.

### **PHTHISIS, (Pulmonary Tuberculosis).**

This disease accounted for 22 deaths at the following age periods :—

5 to 15 years of age	1
15 to 25	6
25 to 65	15

The proportion of deaths to 1000 deaths is 68.53.  
compared with :—44.94 in 1906, 44.16 in 1905, 39.88 in 1904, 80.85 in 1903.

The death rate per 1000 of the population is 1.39.

The proportion of deaths to 1000 deaths in the past 6 years is 50.99.

### **CANCER.**

There were 12 deaths from Cancer against 17 in 1906.  
The average for the 10 years 1897-1906 being 8.

The list is made up as follows :—

MALES.		FEMALES.	
Rectum	1	Upper Jaw	2
Liver	2	Breast	2
Stomach	1	Stomach	1
Ileum	1	Uterus	1
		Larynx	1
	—		—
	5		7
	—		—



One of the deaths occurred at Wolverhampton Hospital.

The proportion of deaths to 1000 deaths being 37·38, compared with 47·75 in 1906 and 31·04 for the preceding six years.

The death rate per 1000 of the population is '75.

Number of deaths for the preceding 6 years :—

1901	...	...	10
1902	...	...	8
1903	...	...	14
1904	...	...	8
1905	...	...	5
1906	...	...	17

Average 10·33

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### INQUESTS.

The following list gives the Inquests held during the year :—

- 5 Accidentally Suffocated
- 1 Suffocated in bed
- 1 Convulsions
- 1 Heart Failure following Pneumonia
- 1 Cerebral Hoemorrhage
- 1 Septic Pneumonia
- 3 Drowning
- 1 Misadventure (Heart Failure)
- 1 Natural Causes
- 1 Chronic Bronchitis, Alcoholism
- 1 Suffocated by hanging

### EXCREMENT AND REFUSE REMOVAL.

I feel that no apology is required for emphasizing, as

I do year by year, the importance of this question to us as a community and while we must make full use of the various means at our disposal for combating disease, I am convinced that no progress, worthy of the name, will be achieved until the question of privy conversion is made the chief item in our programme of reform.

In this particular there has been a distinct advance, 96 privies having been abolished and water-closets substituted, since 1906 when 62 were converted.

In expressing the hope that next year will see still greater improvement in this work, it is gratifying to know that your Council are invariably unanimous in urging the abolition of the privy whenever the opportunity occurs. A large number of these still remain and as long as they exist soil and air pollution will continue to exert its evil influence and endanger health.

There are 817 hand-flushing water closets, 109 latrines and 278 waste water closets including those attached to the Factories and Workshops of the town. There are only 6 water-closets that depend for their flushing, upon the attention of the occupier.

The blocking of water-closets with extraneous articles has been less a source of trouble than formerly, but the waste water closets present the difficulty of insufficient flushing and this makes it doubtful whether their adoption has been justified. Although waste water closets are far superior to privies they are open to the objection that they are liable to smell owing to fowling of the cylinder and tipper. Daily flushing by occupiers would no doubt mitigate this to a considerable extent if we could count upon their intelligent co-operation.

I think the Council would be well advised to sanction the adoption of dust bins (where the water carriage system

has been adopted) for ashes and house refuse only.

Each bin should be of galvanised iron and have a well fitting lid to keep the contents dry. The Scheme would involve a slight increase in the staff but well is worth considering.

Any additional expenditure incurred in dealing with the question of Excrement and Refuse removal becomes a real economy and would be returned to us in the most acceptable form; I mean that of a lower (and I believe of a permanently lower) death rate among the infants of the district.

### **INSANITARY DWELLINGS AND OVERCROWDING.**

In my last report I pointed out the necessity for greater attention to the question of house inspection and I am pleased to be able to record a distinct improvement in this direction during the year.

Sixteen houses have been closed as being unfit for habitation: the list is given in the Sanitary Inspector's report.

Among the irremediable defects that render a house uninhabitable and calling for demolition are:—decayed brickwork and plaster—dilapidated roofing—dampness of walls—leaky rainpipes—faulty, and in many cases absent spouting.

The absence of a pantry too, is a common fault, food being either stored at the top of a dark illventilated cellar or in a recess under the stairs.

The windows not infrequently do not open, or the woodwork is decayed and the surrounding brickwork defective.

Many of the houses closed during the year exhibited some, and a few of them almost all the defects mentioned.

There is still much insanitary property in the district needing remedial action; its presence constitutes a standing menace to the public health by depressing vitality, and by

predisposing, and in many instances, causing disease.

Twenty cases of overcrowding were successfully dealt with during the year.

### **ISOLATION HOSPITAL.**

Our hospital has again been called into requisition for the reception of Enteric Fever. Four cases were admitted during the year, and of this number, 3 recovered and 1 died.

I have to remind you that we are still in the anomalous position of possessing no efficient disinfecting apparatus. It is very necessary to be able to deal with articles that cannot be boiled, by submitting them to moist heat in a properly constructed apparatus—one of the best is Thresh's, the cost of which would be about £125. I venture to hope that the provision of this or some equally suitable steam disinfector will soon be an accomplished fact.

### **COWSHEDS AND MILKSHOPS.**

With regard to light, ventilation, and cleanliness, many of the cowsheds leave much to be desired, a few are satisfactory in all these points, but some have little or no provision for light, and ventilating apertures where they do exist, are frequently blocked by straw or bagging.

I fully endorse the Inspector's remarks concerning the failure in most instances to groom the cattle, the udder and hind quarters being especially in need of attention.

With reference to the milkshops, more care is necessary in the storing of milk, small shop keepers who sell milk frequently allow it to stand uncovered on the counter, so that the vessel can be fingered by children or other persons entering the shop, there is also the danger of contamination from road dust. The milk should be kept in a well ventilated place

and be properly covered.

Milk readily becomes a vehicle for the dissemination of so many diseases that any legislation which will increase the control over the Country's supply from its origin to its distribution is to be heartily commended.

### **FOOD.**

On the whole, the food has been of good quality.

No prosecutions have been undertaken during the year but several hawkers and others have been warned of the penalties to which they are liable by the exposure for sale of faulty food.

### **SLAUGHTER-HOUSES.**

Their general cleanliness, attention to limewashing, etc., leaves little room for adverse comment. 236 Visits have been paid by the Inspector during the year.

### **FACTORY AND WORKSHOPS ACT.**

There is need for more Sanitary accommodation in many of the Factories of the district, than exists at present.

Section 22 of the Public Health Acts Amendment Act enjoines that Factories and Workshops shall be provided with "Sufficient and suitable accommodation in the way of Sanitary Conveniences" for persons of each sex, and the definition of the word "Sufficient" has been supplied by a Local Government Board Order on Sanitary Accommodation issued in 1903, which regards one concenience for 25 females and one for 25 males (with other special provisions in the case of the latter) as sufficient.

I would recommend that improvements in this direction be undertaken in the light of this important Order.

There are 154 Workshops on the register—

Nut and bolt works	29	Bakers	...	...	19	
Shoemakers	...	...	16	Dressmakers	...	11
Milliners	...	...	8	Gun lock makers	...	13
Carpenters	...	...	11	Others	...	47

136 Visits have been made, and 22 notices of abatement of various nuisances have been forwarded to occupiers—

Limewashing	18
Defective privies	2
Dirty workroom	1
Defective roof	1

There are no outworkers.

## VACCINATION.

The year's record is as follows :—

Successful	...	419
Insusceptible	...	3
Exemptions	...	35
Dead	...	73
Postponed	...	25
Removed	...	21
Open	...	75

The successful vaccinations are 12 more in number than for 1906, 407 being then recorded.

The open cases are those who have not yet, being under age, come within the jurisdiction of the Vaccination Officer for entry on the lists.

There is still a large proportion of vaccinations performed outside the district, lymph being inserted in one place only, this, together with the increasing number of exemptions, augurs anything but well for the future.

Many are obtaining, and more will obtain exemptions but the conscientious objector in the true sense is in my opinion rarely met with.

The elasticity of the vaccination law, as it now stands will undoubtedly lead to the production of a large susceptible element when the next outbreak of Small Pox occurs.

### **SURVEYOR'S DEPARTMENT.**

The large amount of work done in this department during the year includes the erection of 70 new houses, several street improvements, and extensions to many of the works in the town.

I have again to acknowledge the ready and able assistance I have received from your Sanitary Inspector.

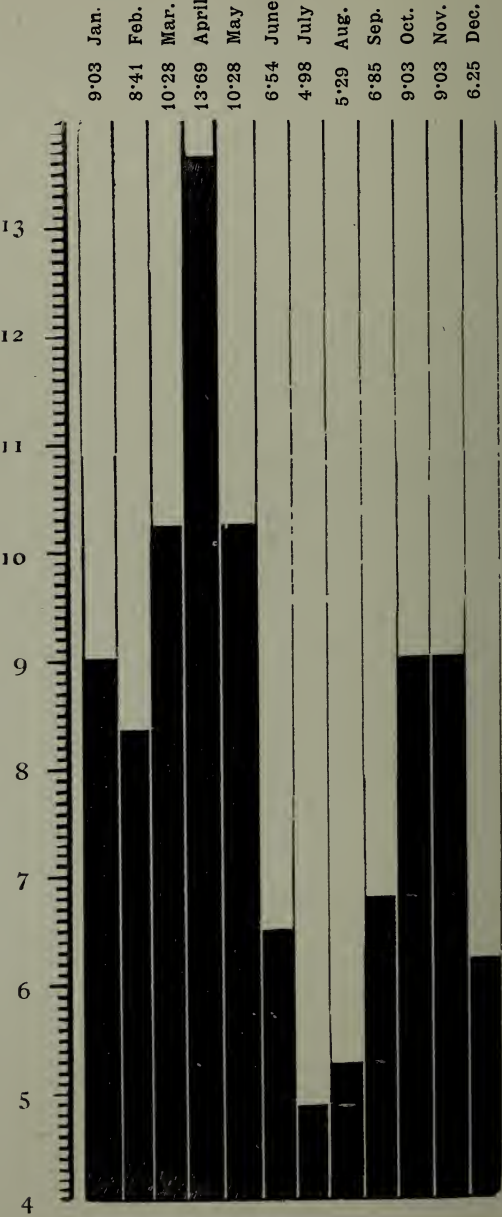
I remain, Mr. Chairman and Gentlemen,

Yours faithfully,

SYDNEY PARTRIDGE, M.D.,

Medical Officer of Health.

Chart shewing percentage of deaths each month  
to the total deaths, 1907.





# SANITARY INSPECTOR'S REPORT.

YEAR ENDED DEC. 1907.

To the Chairman and Members of the Health Committee.

Gentlemen,

I have the honour to report upon the work done in the Sanitary Department during the past year.

3828 Ashpits, privies, &c., have been emptied, viz :—  
1324 dry ashpits, 469 ashbins, 1336 privy middens and 699 privy cisterns.

5292 Loads of ashes and 784 loads of nightsoil have been removed.

The following table gives the work done month by month :—

	Dry Ashpits.	Ashbins.	Privy Middens.	Privy Cisterns.	Loads of Ashes.	Loads of Nightsoil
January ...	110	13	117	47	439	55
February ...	101	30	91	38	387	40
March ...	77	34	151	45	466	60
April ...	122	31	103	63	496	68
May ...	127	34	136	68	526	74
June ...	114	38	114	80	495	70
July ...	112	30	119	70	441	57
August ...	120	41	83	71	366	73
September ...	100	42	119	53	402	59
October ...	110	52	117	61	443	87
November ...	116	57	90	57	397	90
December ...	115	67	95	46	435	51
Total ...	1324	469	1336	699	5292	784

96 Clean Water-closets have been substituted in lieu of privies.

Nuisances—213 informal, and 51 formal notices have been issued.

	First notice.	Final notice.	First notice complied with.	Final notice complied with.
Defective privies and ashpits ...	69	26	51	19
Defective and blocked closets and drains	59	6	55	6
Insufficient drainage ...	—	2	—	2
Overcrowding ...	20	9	20	9
Damp houses (caused by structural defects)	22	2	19	2
Water lodging in yards, &c.	10	2	8	1
Flooded cellars ...	8	—	8	—
General insanitary conditions ...	19	2	19	1
Animals improperly kept ..	12	—	12	—
Nuisances in Cowsheds ...	4	—	4	—
„ Slaughter-house ...	3	—	3	—
„ Workshops ...	22	—	20	—
No flushing tanks to water closets	19	12	13	8
Dirty houses ...	6	—	6	—
Other nuisances ...	20	3	13	3
Total ...	<u>293</u>	<u>64</u>	<u>255</u>	<u>51</u>

Number of double and single or back-to-back houses, and various kinds of closets within the district.

Figures in bold type represent closets in connection with Schools, Works, Lock-up Shops, and buildings other than dwellinghouses.

WARD.	Double Houses.	Single or Back to Back Houses.	Clean Water Closets.	Trough or Latrine Closets.	Waste Water Closets.	Privy Cisterns. Cisterns.	Privy Middens. Middens.	Privy Pails	Dry Ashpits.	Ash Bins.
Catherine's Cross ...	795	195	181 5	4 19 3 15	42 1	147 182 170 258 13 14 3 6	1 1	1 1	213	4
Central ...	578	179	123 31		35	96 142 166 239 3 10 5 19			144	3
The Green ...	770	114	248 34	4 17 3 14	61	111 159 160 228 30 57 2 3	2	2	220	7
All Saints' ...	792	63	265 57	13 73 13 73	140	85 166 198 278 16 72 3 3	6 5	6 5	261	17
Total ...	2935	551	817 127	21 109 19 102	278 1	439 649 694 1003 62 153 13 31	9 6	9 6	838	31

Houses—Water closets 974, privies 1471. Factories, Schools, &c.,—water closets 230, privies 190.

16 Houses have been closed during the year under the Housing of the Working Classes Acts, as unfit for habitation : 4 houses, 1 court Willenhall Road, 1 house, Willenhall Road, 4 houses, 4 court The Green, 2 houses, 4 court Catherine's Cross, 2 houses in Park Street, 2 houses in Wolverhampton Street, 1 house, Herbert's Park.

One house, 36 Wolverhampton Street, closed in 1906, has been reconstructed and made fit for habitation.

There are 1697 privy middens and dry ashpits in the town, many of these are very large and insanitary, and in many instances are much abused.

I hope that good work will be done during the coming year towards abolishing many of the worst and substituting water closets, and where possible, dust bins.

Very few of the tenants in the poorer class houses think of limewashing the wash-houses, closets, &c, this can be done very cheaply and is a most beneficial investment from the standpoint of health.

There are 154 workshops on the register, and 136 visits have been made.

18 Notices have been sent out *re* limewashing, 2 defective privies, 1 dirty workroom, 1 defective roof.

25 Visits have been paid to the 19 bakehouses on the register, three of these were found to require limewashing.

The following is a list of the principal workshops on the register :—

Nut and bolt makers	29	Bakers	19
Shoemakers ...	16	Dressmakers ...	11
Milliners ...	8	Gun lock makers ...	13
Carpenters, &c.	11	Others ...	47

## **SLAUGHTER-HOUSES.**

236 Visits were paid to the 13 slaughterhouses on the register, 3 notices were sent out, *re* limewashing, though the butchers always showed willingness to limewash their premises when requested.

## **MILKSHOPS, DAIRIES AND COWSHEDS.**

There are 28 premises registered, 20 as cowkeepers and dairymen, and 8 as milk purveyors.

286 Visits were made to these premises ; 1 cowshed was found overcrowded, 2 insanitary and 1 required lime-washing.

I reported the insanitary condition of 1 cowshed to the Medical Officer of Health, and plans have since been submitted for a new cowshed.

Two old cowsheds have been demolished, and 4 new cowsheds have been erected during the year.

More attention is now being paid to the grooming of the hind quarters of the cattle, though amongst some of the cowkeepers there is room for improvement.

## **CANAL BOATS.**

43 Visits have been made along the canal, but only 5 registered cabin boats were met with and these were all found to comply with the Canal Boats Acts.

The Fish and Fruit shops and hawkers have received considerable attention, and several have had to be cautioned about the condition of the fish and fruit exposed ; 7 rabbits, 400 herrings, 12 lbs of plaice, also a quantity of apples, mush-rooms, &c., have been destroyed (voluntary surrender) and the owners cautioned, though no prosecutions have taken place.

### **INFECTIOUS DISEASES.**

The whole of the Infectious Diseases reported to me by the Medical Officer of Health, have been visited, the various particulars obtained and disinfectants given.

The Isolation Hospital has been occupied on 4 occasions with persons suffering from Typhoid Fever, one death has taken place there.

65 Houses have been disinfected, and 1 bed destroyed.

All the houses have been disinfected with Formalin instead of with Sulphur as in former years.

I remain,

Your obedient servant,

**ROBERT AUSTIN,**

Sanitary Inspector.

## STREET LIST-CAUSES OF DEATH.

## No. 1 Ward—Catherine's Cross.

STREET.	Number of Double Houses.	Number of Single or Back-to-back Houses.	Total Number of Houses.	Measles.	Scarlet Fever.	Diarrhoea	Phthisis	Cancer.	Other Causes.	Total Deaths.	Deaths under one year of age.
Alfred street	14	0	14	0	0	0	0	0	2	2	1
Baggott's bridge	7	9	16	0	0	1	0	0	0	1	0
Catherine's cross	122	30	152	0	1	0	1	1	11	14	5
Cock heath	13	0	13	0	0	0	0	0	2	2	1
Dangerfield lane	24	5	29	1	0	0	0	0	2	3	1
Factory street	33	8	41	0	0	0	0	0	6	6	3
Forge road	15	1	16	0	0	0	0	0	0	0	0
Foundry street	65	7	72	0	0	0	0	0	4	4	2
Garibaldi street	17	1	18	0	0	0	0	0	2	2	0
Heathfield lane	31	7	38	0	0	0	0	1	4	5	3
Herbert's park	3	1	4	0	0	0	0	0	1	1	0
King Edward street...	35	0	35	0	0	0	1	0	1	2	0
Mill street	25	10	35	0	0	0	0	0	3	3	2
Moxley	77	46	123	0	0	0	0	0	13	13	3
Moxley road	99	23	122	0	0	0	0	0	4	4	2
New place	2	18	20	0	0	0	2	0	1	3	1
Park road	14	1	15	0	0	0	0	0	0	0	0
Park street	7	1	8	0	1	0	0	0	5	6	2
Pinfold alley	26	10	36	0	0	1	0	0	2	3	1
Pinfold street	68	6	74	0	0	0	0	1	4	5	2
Wolverhampton street	98	11	109	0	0	0	1	0	6	7	5
Total	795	195	990	1	2	2	5	3	73	86	34

# No. 2 Ward—Central.

STREET.	Number of Double Houses.	Number of Single or Back-to-back Houses.	Total Number of Houses.	Measles.	Scarlet Fever	Diarrhoea	Phthisis	Cancer.	Other Causes.	Total Deaths.	Deaths under one year of age.
Alma street	32	0	32	1	0	0	2	0	1	4	1
Baulk lane	2	0	2	0	0	0	0	0	0	0	0
Bilston street	42	18	60	0	0	0	1	0	4	5	1
Blakemore's lane	11	20	31	0	0	0	0	0	3	3	1
Cock street	59	17	76	0	0	2	0	0	4	6	3
Cramp hill	62	24	86	0	0	0	0	0	4	4	1
Cross street	19	10	29	0	0	0	0	1	2	3	0
Dorsett road	33	0	33	0	0	0	0	0	1	1	0
Eldon street	65	6	71	0	0	0	0	0	8	8	3
Great Croft street	50	10	60	0	0	2	0	0	6	8	5
Leys	18	0	18	0	0	0	0	0	2	2	1
New road	23	1	24	0	0	1	0	0	1	2	1
New street	52	38	90	0	0	0	2	0	6	8	0
Rough hay	2	2	4	0	0	0	0	0	0	0	0
School street	13	0	13	0	0	0	0	0	1	1	0
Smith street	39	1	40	0	0	0	0	0	1	1	0
Willenhall street	56	32	88	1	0	1	0	1	13	16	8
Total	578	179	757	2	0	6	5	2	57	72	25



# No. 3 Ward--The Green.

STREET.	Number of Double Houses.	Number of Single or Back-to-back Houses.	Total Number of Houses.	Measles.	Scarlet Fever	Diarrhoea	Phthisis	Cancer.	Other Causes.	Total Deaths.	Deaths under one year of age.
Addenbrooke street ..	48	0	48	0	0	0	0	1	1	2	1
Aldridge street ..	8	0	8	0	0	0	0	0	0	0	0
Beard street ..	23	2	25	0	0	0	0	0	3	3	1
Bell street ..	59	24	83	1	0	1	0	0	6	8	4
Bentley road ..	23	4	27	1	2	0	0	0	0	3	0
Blockall ..	44	7	51	0	0	0	0	0	0	7	2
Booth street ..	48	0	48	0	0	0	1	0	6	7	2
Bush street ..	47	9	56	0	0	0	1	0	9	10	4
Castle street ..	20	0	20	0	0	0	0	0	2	2	1
Foster street ..	74	22	96	0	0	1	2	0	11	14	5
Horton street ..	69	8	77	0	0	1	0	0	3	4	1
Little Cross street ..	15	0	15	0	0	0	0	0	1	1	0
Perry street ..	34	0	34	0	0	3	0	1	2	6	3
Queen street ..	8	0	8	0	0	0	0	0	0	0	0
Rough hay road ..	12	0	12	0	0	0	0	0	1	1	0
St. George's street ..	22	6	28	0	0	0	1	0	1	2	0
The Green ..	153	30	183	1	0	1	1	0	12	15	6
Willenhall road ..	63	2	65	0	2	0	1	1	3	7	1
Total ..	770	114	884	3	4	7	7	3	68	92	31

# No. 4 Ward—All Saints'.

STREET.	Number of Double Houses.	Number of Single or Back-to-back Houses.	Total Number of Houses.	Measles.	Scarlet Fever	Diarrhea	Phthisis	Cancer.	Other Causes.	Total Deaths.	Deaths under one year of age.
Albert street	39	0	39	0	0	0	0	0	3	3	2
Avenue road	49	0	49	0	0	0	1	0	4	5	0
Bill street	4	0	4	0	0	0	0	0	1	1	1
Bull street	51	4	55	1	0	0	0	0	6	7	2
Church street	58	13	71	0	0	0	0	0	1	1	1
Cope street	19	0	19	0	0	0	0	0	0	0	0
Crescent road	6	0	6	0	0	0	0	0	0	0	0
Dale end	17	3	20	0	0	0	0	0	2	2	1
Gladstone street	18	1	19	0	0	0	0	0	0	0	0
Gordon street	18	0	18	0	0	0	0	0	0	0	0
Heath road	39	4	43	0	0	0	1	0	1	2	1
James bridge	7	0	7	0	0	0	0	0	1	1	1
King street	43	5	48	0	0	0	0	1	1	2	0
Rectory avenue	6	0	6	0	0	0	0	0	0	0	0
Salisbury street	8	0	8	0	0	0	0	0	0	0	0
Short street	11	0	11	0	0	0	0	0	0	0	0
Slater street	6	0	6	0	0	0	0	0	0	0	0
Station street	62	8	70	0	0	0	0	0	0	0	0
Tilley street	43	0	43	0	0	1	0	1	5	5	2
Two arches	3	1	4	0	0	0	0	0	2	4	3
Victoria road	17	6	23	0	0	0	0	0	0	0	0
Walsall road	171	5	176	0	0	1	0	0	8	9	4
Walsall street	21	13	34	0	0	0	1	0	8	9	6
Waverley road	37	0	37	0	0	0	0	1	0	1	0
Whitton street	39	0	39	0	0	0	0	0	1	1	1
Total	792	63	855	1	0	2	3	3	46	55	26

# Summary.

	Number of Double Houses.	Number of Single or Back-to-back Houses.	Total Number of Houses.	Measles.	Scarlet Fever	Diarrhoea	Phthisis	Cancer.	Other Causes.	Total Deaths.	Deaths under one year of age.
Ward No. 1	795	195	990	1	2	2	5	3	73	86	34
Ward No. 2	578	179	757	2	0	6	5	2	57	72	25
Ward No. 3	770	114	884	3	4	7	7	3	68	92	31
Ward No. 4	792	63	855	1	0	2	3	3	46	55	26
Birmingham Canal				0	0	0	0	0	1	1	0
Walsall Union				0	0	1	2	0	7	10	0
W'hampton Hospital				0	0	0	0	1	3	4	0
Queens' Hos. B'ham				0	0	1	0	0	0	1	1
Total	2935	551	3486	7	6	19	22	12	255	321	117

# Notifications of Infectious Disease.

1907.

MONTH.	Diph- theria.	Erysip- elas.	Scarlet Fever.	Enteric Fever.	Puerperal Fever.	Total.
January .	1	3	7	1	0	12
February ...	1	1	6	3	0	11
March ..	0	4	4	0	0	8
April ...	0	2	8	1	0	11
May ...	0	1	2	0	0	3
June ...	0	2	10	0	0	12
July ...	1	0	9	1	0	11
August ...	0	1	6	0	1	8
September ..	0	2	7	1	0	10
October ...	0	2	32	2	0	36
November ...	0	2	7	1	1	11
December ...	1	1	4	1	0	7
Totals ...	4	21	102	11	2	140

# Causes of Death of Children under One Year of Age.

CAUSE.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	TOTAL.
Bronchitis	2	3	5	3	1	1	1	0	0	2	3	2	23
Premature Birth	1	3	2	1	2	1	2	3	2	1	0	0	18
Marasmus	1	0	1	3	2	1	2	0	2	3	1	1	17
Congenital Debility	0	1	3	2	1	0	1	0	0	1	1	1	11
Diarrhœa	0	0	0	2	0	0	0	0	2	6	1	0	11
Accidentally Suffocated	2	2	0	0	1	0	0	1	0	0	0	0	6
Pneumonia	0	0	1	4	0	0	0	0	1	0	0	0	6
Convulsions	1	1	1	1	0	0	0	0	0	0	0	0	4
Inanition	0	0	1	0	0	0	0	0	1	0	2	0	4
Tubercular Meningitis	1	0	0	1	1	0	0	0	0	0	0	0	3
Infantile Atrophy ..	0	0	1	0	0	0	0	1	0	0	1	0	3
Measles	0	0	2	0	0	0	0	0	0	0	0	0	2
Tuberculosis	0	0	0	1	0	1	0	0	0	0	0	0	2
Meningitis	0	0	0	0	0	0	0	0	1	0	1	0	2
Croup	0	0	1	0	0	0	0	0	0	0	0	0	1
Tabes Mesenterica	0	0	0	0	1	0	0	0	0	0	0	0	1
Gastro Intestinal Catarrh	0	0	0	0	0	0	0	1	0	0	0	0	1
Pressure during Birth	0	0	0	0	0	0	0	1	0	0	0	0	1
Whooping Cough	0	0	0	0	0	0	0	0	0	0	0	1	1
Totals	8	10	18	18	9	4	6	7	9	13	10	5	117

# Causes of Death of Children under 1 year of age in 10 years—(1898-1907).

CAUSE.	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907
Congenital Debility and Premature Birth ...	48	44	35	32	36	32	22	34	20	29
Bronchitis ...	26	28	14	17	33	12	14	15	15	23
Pneumonia ...	0	0	8	3	4	5	10	7	2	6
Diarrhœa and Epidemic Enteritis ...	27	38	25	23	7	7	26	11	19	11
Convulsions ...	9	6	9	4	2	9	3	5	6	4
Tuberculosis, Marasmus and Wasting Diseases ...	15	11	10	25	23	14	32	36	35	26
Bright's Disease ...	2	0	1	1	0	1	0	0	1	0
Dentition ...	3	4	6	1	0	0	0	1	0	0
Measles ...	3	1	6	1	2	0	1	9	1	2
Meningitis ...	0	1	3	0	0	1	0	1	1	2
Suffocated ...	0	0	1	1	3	1	1	1	4	6
Whooping Cough ...	0	16	1	1	3	0	10	1	1	1
Abscess ...	1	0	0	0	0	0	1	0	0	0
Spina Bifida ...	0	0	0	3	1	0	0	0	0	0
Erysipelas ...	0	3	0	0	0	0	1	0	0	0
Difficult Parturition ...	3	2	1	1	1	1	2	0	0	1
Scarlet Fever ...	0	0	0	1	2	0	0	0	0	0
Natural Causes (Inquest) ...	4	0	2	0	1	0	0	0	0	0
Gastritis ...	0	0	0	3	2	1	0	0	0	0
Nephritis ...	0	0	1	0	0	1	0	0	0	0
Intestinal Catarrh ...	0	0	0	0	0	0	0	0	0	1
Inanition ...	1	0	1	3	3	0	1	2	2	4
Acute Rheumatism ...	1	0	0	0	0	0	0	0	0	0
Hepatic Congestion ...	1	0	0	0	1	0	0	1	0	0
Hydrocephalus ...	1	0	0	0	0	0	1	1	0	0
Eczema ...	1	0	0	0	1	0	0	1	0	0
Heart Diseases ...	0	1	0	0	0	0	2	0	1	0
Enteritis ...	0	0	5	5	2	2	0	3	7	0
Catarrh ...	0	0	1	0	0	0	0	0	0	0
Malformation of Bowels ...	0	0	1	0	0	0	0	0	0	0
Syncope ...	0	0	1	0	0	0	0	0	0	0
Stomatitis ...	0	0	0	1	0	0	0	0	0	0
Accidentally Overlain ...	0	0	0	1	0	0	0	0	0	0
Ulcerated Stomach ...	0	0	0	1	0	0	0	0	0	0
Intersusception ...	0	0	0	0	1	0	0	0	0	0
Infantile Hemiplegia ...	0	0	0	0	1	0	0	0	0	0
Laryngitis and Croup ...	0	0	0	0	0	1	0	0	0	1
Syphilis ...	0	0	0	0	0	1	0	0	1	0
Intestinal Hæmorrhage ...	0	0	0	0	0	0	1	0	0	0
Pemphigus Neonatorum ...	0	0	0	0	0	0	1	0	0	0
Shock from Burns... ..	0	0	0	0	0	0	1	0	0	0
Septicæmia ...	0	0	0	0	0	0	0	1	0	0
Membranous Croup ...	0	0	0	0	0	0	1	0	0	0
Cerebral Congestion ...	0	0	0	0	0	0	0	0	1	0
<b>TOTAL</b> ...	<b>146</b>	<b>155</b>	<b>132</b>	<b>128</b>	<b>129</b>	<b>89</b>	<b>131</b>	<b>130</b>	<b>117</b>	<b>117</b>

**Street List of Notifications of Infectious  
Diseases.**

Street.	Diphtheria.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Puerperal Fever.	TOTAL.
<b>Ward No. 1—</b>						
Catherine's cross ...	0	2	9	0	0	11
Foundry street ...	0	2	0	0	0	2
Mill street ..	0	0	2	0	0	2
Moxley ...	0	1	0	1	0	2
Moxley road ...	0	1	1	1	0	3
New place ..	0	1	0	0	0	1
Park road ...	0	0	1	0	0	1
Park street ...	0	1	2	0	0	3
Pinfold street ...	0	0	0	1	0	1
Wolverhampton street...	0	1	2	0	0	3
<b>Ward No. 2—</b>						
Alma street ...	0	0	1	0	0	1
Bilston street	0	0	7	0	0	7
Cock street ..	0	1	2	0	0	3
Cramp hill ...	0	1	0	0	0	1
Dorsett road ...	0	0	2	0	0	2
Eldon street ...	0	0	5	0	0	5
Great Croft street ...	0	1	0	0	0	1
New road ..	0	0	1	0	0	1
New street ...	0	0	6	0	0	6
School street ...	0	0	1	0	0	1
Smith street ...	0	0	3	0	0	3
Willenhall street ...	0	0	4	3	0	7

**Ward No. 3—**

Aldridge street	...	0	0	2	0	0	2
Bentley road	...	0	0	5	0	0	5
Booth street	...	1	0	4	0	0	5
Bush street	...	0	2	0	0	0	2
Castle street	...	0	0	3	0	0	3
Foster street	...	1	1	1	1	0	4
Horton street	...	0	2	5	0	0	7
Perry street	...	0	0	1	0	1	2
Rough Hay road	...	0	0	1	1	0	2
St. George's street	...	0	0	3	0	0	3
The Green	...	1	1	8	0	0	10
Willenhall road	...	0	0	10	0	0	10

**Ward No. 4—**

Albert street	...	0	0	1	0	0	1
Dale end	...	0	0	0	0	1	1
Heath road	...	0	0	2	0	0	2
Station street	...	0	1	1	1	0	3
Victoria road	...	0	0	0	1	0	1
Walsall road	...	1	2	6	1	0	10

TOTAL	...	4	21	102	11	2	140
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Percentage of Deaths from subjoined causes in ten years (1897-1906), of children under 1 year, to total deaths of children under 1 year and compared with 1906, and totals for England and Wales  
1901 to 1905

YEAR.	Total number of Deaths under 1 Year.	Congenital Debility and Premature Birth.	Diarrhoea including Epidemic Enteritis.	Diarrhoea including Epidemic and Gastro Enteritis and Enteritis.	Bronchitis and Pneumonia.	Tuberculous diseases Marasmus & Wasting Diseases.	Convulsions
1897	153	27·45	24·83	24·83	12·41	16·34	5·83
1898	146	32·87	18·49	18·49	17·80	8·90	6·16
1899	155	28·38	24·51	24·51	18·06	6·45	3·87
1900	132	27·27	18·93	22·72	16·66	7·57	6·81
1901	128	28·12	17·96	21·87	15·62	19·53	3·12
1902	129	27·90	5·42	7·05	28·68	17·82	1·55
1903	89	35·95	7·86	11·23	19·10	15·61	10·11
1904	131	16·79	19·84	19·84	18·32	24·42	2·29
1905	130	27·69	8·46	8·46	16·92	28·46	3·84
1906	117	17·09	16·24	16·24	14·53	29·91	5·12
Average of ten years	131	28·62	16·87	19·23	17·78	17·25	4·73
1907	117	28·20	9·40	10·25	24·79	23·93	3·41
Percentage of deaths in England and Wales of children under 1 year.	1901	15·74	16·20	20·84	14·85	5·41	11·02
	1902	31·67	7·91	11·01	18·74	6·30	11·61
	1903	32·49	7·65	12·23	17·34	4·97	10·64
	1904	24·23	16·47	20·38	15·85	4·23	9·39
	1905	32·12	13·05	17·08	16·62	4·01	9·58

# **Street List of Diarrhœa Deaths in the past 6 years.**

STREET.	1902	1903	1904	1905	1906	1907	Total.
Alfred street	0	0	1	0	0	0	1
Avenue road	0	0	0	0	1	0	1
Arches Two	0	0	0	0	1	0	1
Bell street	0	0	1	1	2	1	5
Bilston street	0	0	1	2	0	0	3
Baggott's bridge	0	1	1	0	0	1	3
Blockall	2	0	0	1	0	0	3
Booth street	0	1	0	1	1	0	3
Bull street	0	0	0	1	0	0	1
Catherine's cross	0	0	0	1	2	0	3
Cramphill	0	1	3	1	2	0	7
Castle street	0	0	2	0	0	0	2
Cope street	1	0	0	0	0	0	1
Cock street	0	0	1	1	0	2	4
Cock heath	0	0	1	0	1	0	2
Cross street	0	1	0	1	0	0	2
Church street	0	0	0	2	0	0	2
Dale end	0	0	1	0	0	0	1
Dangerfield lane	0	0	0	0	1	0	1
Dorsett road	0	0	0	1	0	0	1
Eldon street	0	0	0	0	2	0	2
Factory street	2	0	0	2	0	0	4
Foster street	0	0	0	0	0	1	1
Foundry street	1	0	0	0	1	0	2
Green	1	1	1	1	1	1	6
Great Croft street	0	0	0	0	0	2	2
Heath road	0	0	1	0	1	0	2
Heathfield lane	0	0	0	1	0	0	1
Horton street	0	1	0	0	1	1	3
King street	0	0	1	0	0	0	1
Little Cross street	0	0	1	0	0	0	1
Leys	0	0	0	1	0	0	1

Mill street	...	0	0	1	0	0	0	1
Moxley	...	1	3	1	0	0	0	5
Moxley road	...	1	0	1	0	1	0	3
New road	..	0	0	1	0	0	1	2
New street	...	0	0	2	0	3	0	5
Perry street	...	0	0	1	1	0	3	5
Pinfold alley	..	0	0	0	0	1	1	2
Rough Hay road	...	0	1	0	0	0	0	1
Station street	...	0	0	1	0	1	0	2
Tilley street	..	0	0	1	1	2	1	5
Walsall street	...	0	0	0	1	0	0	1
Walsall road	...	0	0	1	0	0	1	2
Willenhall road	..	0	1	1	1	1	0	4
Willenhall street	...	1	0	0	0	1	1	3
W'hampton street	...	0	0	1	1	0	0	2
Walsall Union	..	0	0	0	0	0	1	1
Queen's Hos'l B'ham	...	0	0	0	0	0	1	1
Totals	...	10	11	28	23	27	19	118

**TABLE 1.**

YEAR.	Population estimated to middle of each year.	BIRTHS.		Total Deaths Registered in the District.				Total Deaths in Public Institutions in the district.	Deaths of non-residents registered in Public Institutions in the district.	Deaths of residents registered in Public Institutions beyond the district.	NETT DEATHS at all ages belonging to the district	
		Number.	Rate.	under 1 year.		at all ages.					Number.	Rate.
				Number.	Rates per 1000 Registered Births.	Number.	Rate.					
1897	15,347	598	38.96	153	255.85	377	24.56					
1898	15,440	636	41.19	146	229.56	337	21.82					
1899	15,534	636	40.94	155	243.71	337	21.69					
1900	15,629	597	38.19	132	221.10	379	24.24					
1901	15,411	610	39.58	128	209.83	349	22.64					
1902	15,474	633	40.90	129	203.79	316	20.42					
1903	15,538	605	38.93	89	147.10	284	18.27			11	327	21.13
1904	15,602	665	42.62	131	196.99	337	21.59			13	297	19.11
1905	15,666	592	37.78	130	219.59	298	19.02			14	351	22.49
1906	15,730	625	39.73	117	187.20	329	20.91			19	317	20.23
Averages for years 1897-1906.	15,537	619	39.88	131	213.00	334	21.51			27	356	22.63
1907	15,794	646	40.90	117	181.11	309	19.56	1	3	15	321	20.32

**TABLE II.**

Year.	Population estimated to middle of each year.	Births Registered.	Deaths at all ages	Deaths under 1 year.
1897	15,347	598	377	153
1898	15,440	636	337	146
1899	15,534	636	337	155
1900	15,629	597	379	132
1901	15,411	610	349	128
1902	15,474	633	327	129
1903	15,538	605	297	89
1904	15,602	665	351	131
1905	15,666	592	317	130
1906	15,730	625	356	117
Average of years 1897-1906	15,537	619	342	131
1907	15,794	646	321	117

**TABLE III.**

NOTIFIABLE DISEASE.	At all ages.	AT AGES—YEARS.					
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65	65 and upwards
Small-pox ...	0	0	0	0	0	0	0
Cholera ...	0	0	0	0	0	0	0
Diphtheria including Membranous Croup	4	0	1	2	1	0	0
Erysipelas ...	21	2	3	3	3	6	4
Scarlet Fever ...	102	4	29	63	5	1	0
Typhus Fever ...	0	0	0	0	0	0	0
Enteric Fever ...	11	0	2	0	4	5	0
Relapsing Fever ...	0	0	0	0	0	0	0
Continued Fever ...	0	0	0	0	0	0	0
Puerperal Fever ...	2	0	0	0	1	1	0
Plague ...	0	0	0	0	0	0	0
Totals ...	140	6	35	68	14	13	4

# TABLE IV.

Showing causes of death, and ages, during 1907.

CAUSES OF DEATH.	DEATHS AT SUBJOINED AGES.						
	All Ages.	under 1	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards.
Smallpox ..	0	0	0	0	0	0	0
Measles ...	7	2	5	0	0	0	0
Scarlet Fever ...	6	0	4	2	0	0	0
Whooping Cough ...	7	1	6	0	0	0	0
Diphtheria and Membranous Croup	0	0	0	0	0	0	0
Croup ...	1	1	0	0	0	0	0
Fever { Typhus ..	0	0	0	0	0	0	0
Enteric ..	2	0	0	0	2	0	0
Other continued	0	0	0	0	0	0	0
Epidemic Enfluenza ...	8	0	0	0	0	6	2
Cholera ..	0	0	0	0	0	0	0
Plague ...	0	0	0	0	0	0	0
Diarrhœa ..	19	11	8	0	0	0	0
Enteritis ...	0	0	0	0	0	0	0
Puerperal Fever ...	0	0	0	0	0	0	0
Erysipelas ...	0	0	0	0	0	0	0
Other Septic Diseases	0	0	0	0	0	0	0
Phthisis ..	22	0	0	1	6	15	0
Other Tubercular Diseases	10	6	2	0	2	0	0
Cancer ...	12	0	0	0	1	10	1
Bronchitis ...	61	23	6	0	0	20	12
Pneumonia ...	21	6	3	1	3	7	1
Pleurisy ...	0	0	0	0	0	0	0
Other Respiratory Diseases	1	0	0	0	0	1	0
Alcoholism, Cirrhosis of Liver	3	0	0	0	0	3	0
Venereal diseases ..	0	0	0	0	0	0	0
Premature Birth	18	18	0	0	0	0	0
Diseases and Accidents of Parturition	0	0	0	0	0	0	0
Heart Disease ..	18	0	0	1	1	11	5
Accidents ..	7	6	0	0	1	0	0
Suicides ..	2	0	0	0	0	2	0
All other causes ...	96	43	11	2	3	11	26
ALL CAUSES	321	117	45	7	19	86	47

TABLE V.

Infantile Mortality during the year 1907, Deaths from stated causes in weeks and months under one year of age.

CAUSE OF DEATH.		under 1 week	1-2 weeks.	2-3 weeks.	3-4 weeks.	Total under one month.	1-2 months.	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	Total Deaths under one year of age.
All Causes {	Certified	23	4	4	7	38	11	12	6	7	8	11	6	4	7	1	117	
	Uncertified																	
Common Infectious Diseases {	Smallpox														1		2	
	Chickenpox																	
	Measles																	
	Scarlet Fever																	
	Diphtheria, Croup																	
	Whooping Cough																	
	Diarrhoea—all forms													1			1	
Diarrhoeal Diseases {	Enteritis (Muco Enteritis)							1	1	2	2	2	2				11	
	Gastro Enteritis								1								1	
	Gastro Intestinal																	
	Gastritis (Catarrh)																	
	Premature Birth	14	2	2		18											18	
Wasting Diseases. {	Congenital Defects					1											1	
	Injury at Birth	1																
	Want of Breast Milk, STARVATION																	
	Atrophy Debility & Marasmus				4	15	4	5	3	2	1	2		1	1		35	
Tuberculous Diseases {	Tubercular Meningitis	7	2	2					3		1	1					3	
	Tubercular Peritonitis & Tabes Mesenterica							1									1	
	Other Tuberculous Disease																2	
Erysipelas	...																	
Syphilis	...																	
Rickets	...																	
Meningitis	...							1					1				2	
Convulsions	...																4	
Bronchitis	...				2	2	3	3	1	2	1	4	2	1	3	1	23	
Laryngitis	...																	
Pneumonia	...				1	2	3	1				1	1		2		6	
Suffocation, overlying	...	1												1			6	
Other Causes	...																1	
		23	4	4	7	38	11	12	6	7	8	11	6	4	7	1	117	

**TABLE VI.**

Showing deaths of Children, and Death Rates of Children in  
1000 deaths for 1907, and 10 years preceding.

YEAR.	Deaths under 1 year.	Deaths of Children under one year per 1000 of total deaths.	Deaths of Children of one and under five years.	Deaths of Children of one and under five years per 1000 of total deaths.
1897	153	405·83	74	196·28
1898	146	433·23	57	169·13
1899	155	459·94	55	163·20
1900	132	348·28	61	160·95
1901	128	209·83	65	186·24
1902	129	394·49	40	122·32
1903	89	299·66	38	127·94
1904	131	373·21	57	162·39
1905	130	410·09	43	135·64
1906	117	328·65	48	134·83
Averages for 10 years 1897-1906.	131	383·51	53	157·49
1907	117	364·48	45	140·18



**TABLE VII.**

Deaths at age periods, and months in which they occurred in 1907, also average of deaths at age periods for preceding 10 years.

MONTH.	Under 1 year.	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and up- wards.	Totals.	MALES	FE- MALES.
January...	8	5	1	2	7	6	29	12	17
February	10	0	1	3	9	4	27	17	10
March ..	18	5	0	0	8	2	33	15	18
April ...	18	11	0	4	6	5	44	27	17
May ...	9	3	1	2	11	7	33	17	16
June ...	4	2	0	1	11	3	21	14	7
July ..	6	3	1	1	3	2	16	12	4
August ...	7	3	1	1	2	3	17	14	3
September	9	0	1	2	5	5	22	12	10
October	13	7	0	1	6	2	29	14	15
November	10	2	1	2	11	3	29	21	8
December	5	4	0	0	7	5	21	12	9
Totals	117	45	7	19	86	47	321	187	134
Averages for 10 years 1897-1906.	131	53	14	11	79	52	341		

**TABLE VIII.**

Showing Deaths from principal Zymotic Diseases in six years, 1902-1907.

DISEASE.	1902	1903	1904	1905	1906	1907	Annual Average of six years.	Proportion of deaths to 1000 in six years.
Smallpox	0	0	0	0	0	0	0	0
Measles	6	5	8	15	5	7	7.66	23.36
Scarlet Fever	6	2	11	0	0	6	4.16	12.69
Diphtheria and Membranous Croup	3	1	4	4	2	0	2.33	7.11
Whooping Cough	7	0	23	2	2	7	6.83	20.82
{ Typhus	0	0	0	0	0	0	0	0
Fevers { Enteric	5	3	3	8	3	2	4.00	12.18
{ Continued	0	0	0	0	0	0	0	0
Diarrhoea	10	11	28	23	27	19	19.66	59.92
Totals	37	22	77	52	39	41	44.66	136.10

**TABLE IX.**

Showing Deaths from principal Zymotic Diseases in six years, 1901-1906, and compared with 1907. Also Death Rates per 1000 of population in 1907.

DISEASE.	1901	1902	1903	1904	1905	1906	Annual Average of six years	Proportion of deaths to 1000 deaths in six years.	Deaths in 1907.	Proportion of deaths to 1000 deaths in 1907.	Death Rate per 1000 of population 1907.
Smallpox	0	0	0	0	0	0	0	0	0	0	0
Measles	2	6	5	8	15	5	6.83	20.53	7	21.80	.44
Scarlet Fever	6	6	2	11	0	0	4.16	12.51	6	18.69	.36
Diphtheria and Membranous Croup	8	3	1	4	4	2	3.83	11.51	0	0	0
Whooping Cough	4	7	0	23	2	2	6.33	19.02	7	21.80	.44
Typhus { Fever { Enteric { Continued	0	0	0	0	0	0	0	0	0	0	0
	18	5	3	3	8	3	6.66	20.03	2	6.23	.12
Diarrhoea	0	0	0	0	0	0	0	0	0	0	0
...	33	10	11	28	23	27	22.0	66.09	19	59.19	1.20
Totals	71	37	22	77	52	39	49.66	149.22	41	127.72	2.59

